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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : JAPAN SPECTROSCOPIC CO

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(54) DEVICE FOR INTRODUCING TRACE SPECIMEN IN CHROMATOGRAPH SEPARATOR

(57)Abstract:

PURPOSE: To easily and exactly introduce quantitative trace specimen in a chromatograph separator by rotating a planar valve disk to switch a flow passage between stationary outer thick plates interposed with the disk.

CONSTITUTION: Carrier is fed through a pump syringe 1, the ports of outer thick plates 14, 15 interposed with a valve disk 11 and a carrier passage hole of the disk 11 into a separating column. Specimen from a syringe 5 is exhausted through the ports of the plates 14, 15 and a specimen passage hole 19 of the disk 11 and the like into a drain passage to preferably clean the hole 19 and the like. When the disk 11 is then rotated, the carrier ports of the plates 14, 15 communicate with the hole 19 to feed quantitative trace specimen accurately determined in response to the volume of the hole 19 via carrier into a column 6. Therefore, quantitative trace specimen can be exactly introduced into the column with a ready operation and preferable reproducibility.

